

FIG. 1

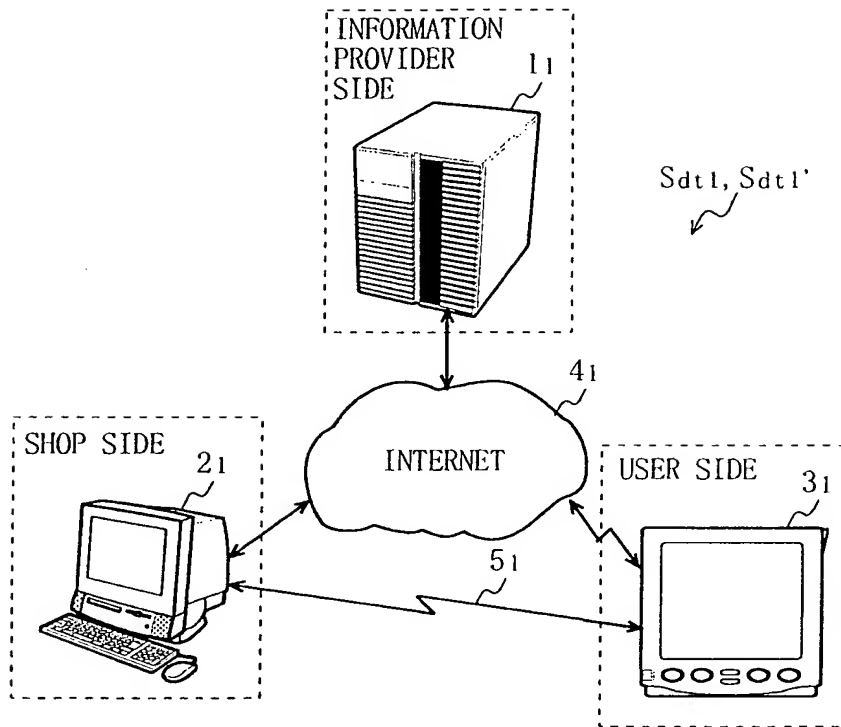


FIG. 2

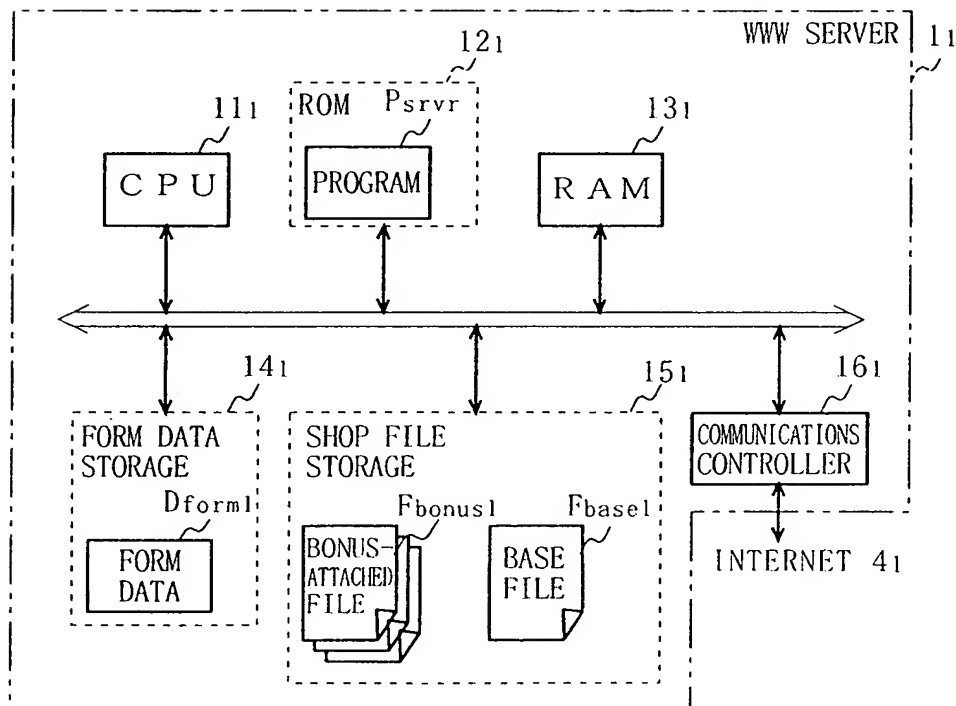


FIG. 3A

Diagram illustrating the structure of the **TRANSMISSION** block, showing four data fields and their associated labels:

- SHOP NAME** (Cname)
- SHOP INFORMATION** (Cinfo)
- BONUS DETAILS** (Ccob)
- BONUS IDENTIFIER** (Ciob)

The fields are stacked vertically, and the total length is indicated by **Finl**.

FIG. 3B

PUB X

BONUS

BRING DATA TERMINAL EQUIPMENT 3 WITH THE FOLLOWING BONUS IDENTIFIER ID<sub>bonus</sub> RECORDED THEREON. YOU WILL GET THE BONUS BELOW.

-20% OFF ON MEAL CHARGES

BONUS IDENTIFIER ID<sub>bonus</sub>:yyyy

MAP AROUND THE SHOP

Y STATION

PUB X

FIG. 4

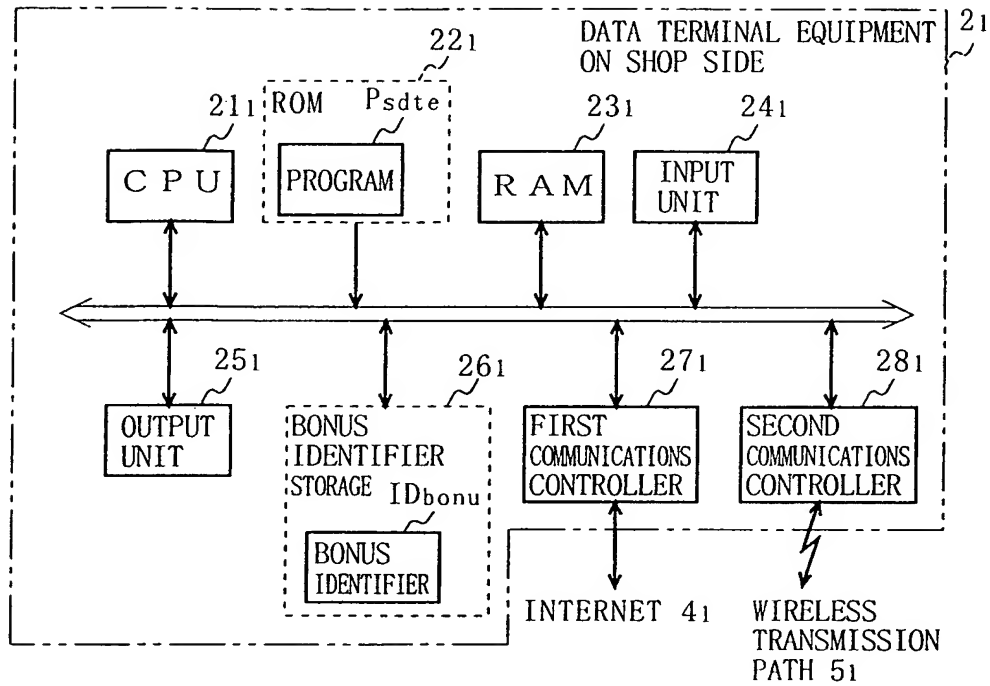


FIG. 5

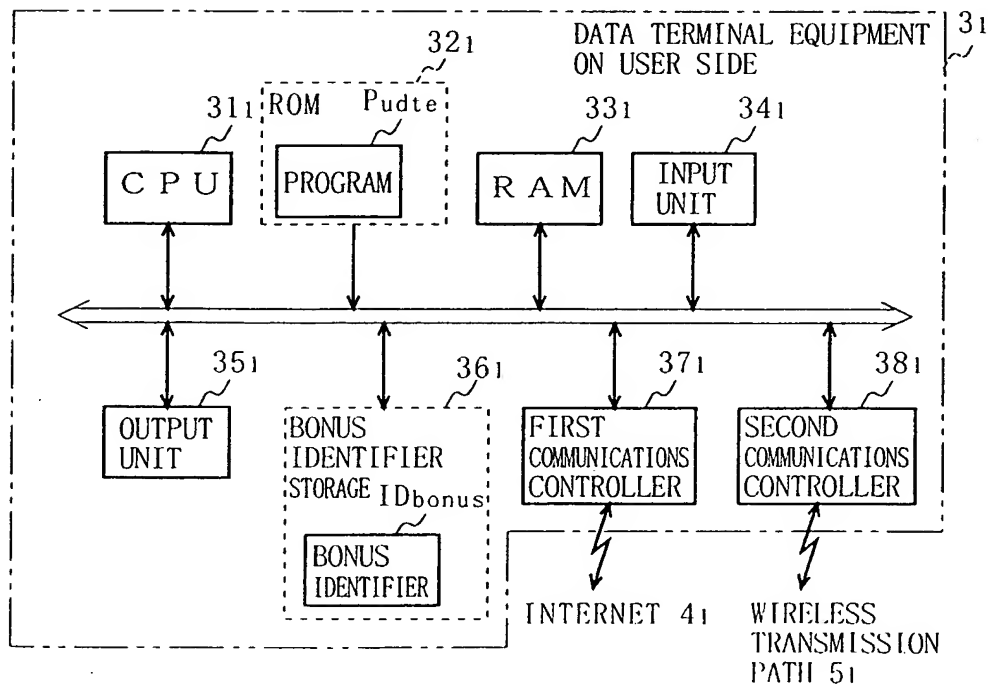


FIG. 6

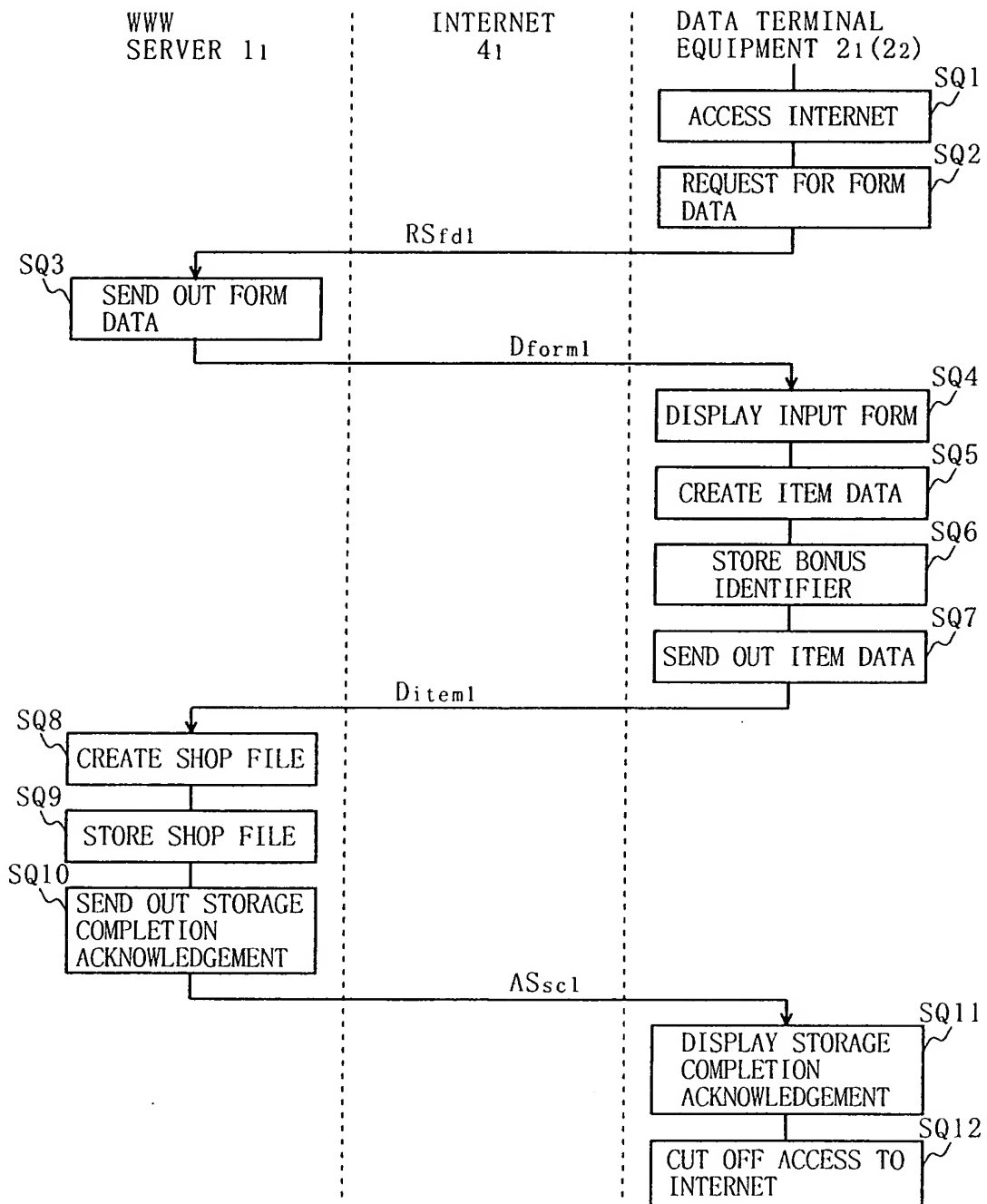


FIG. 7

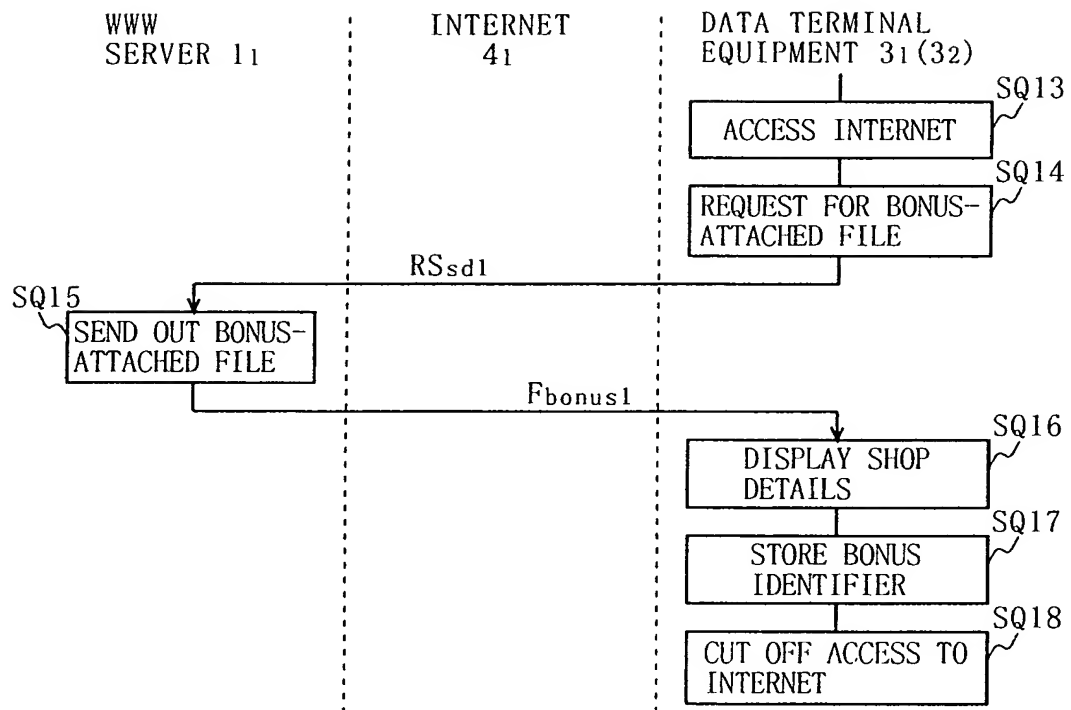


FIG. 8

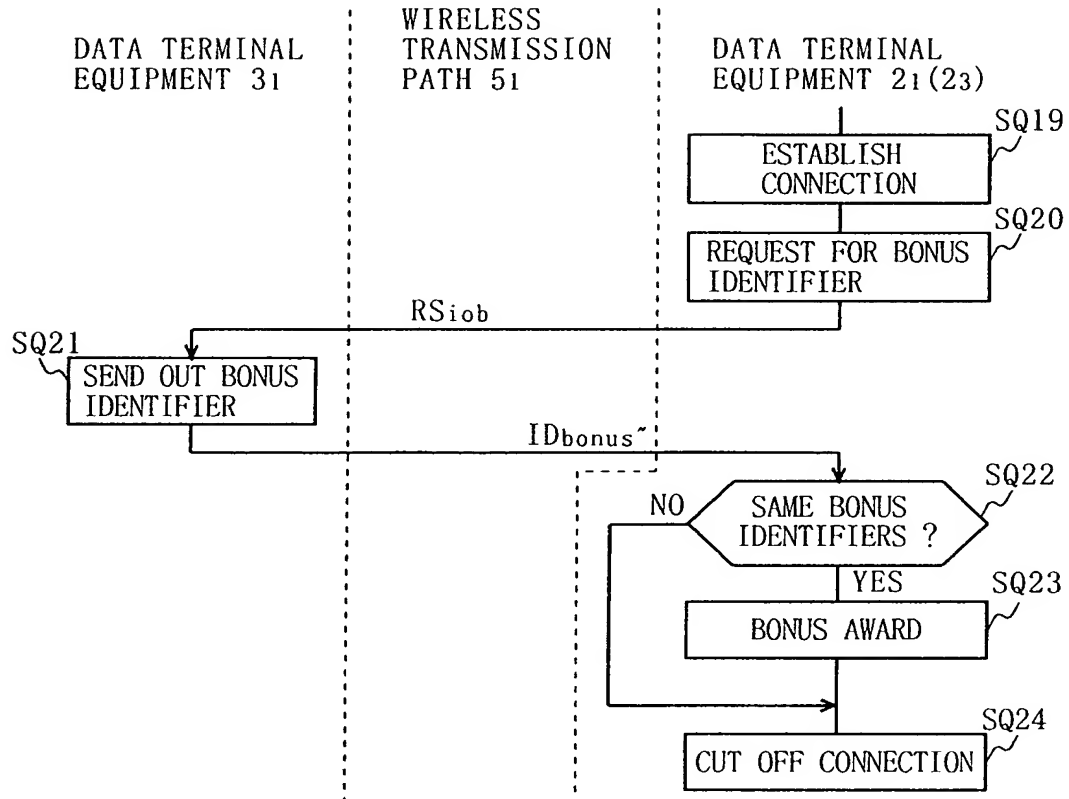


FIG. 9

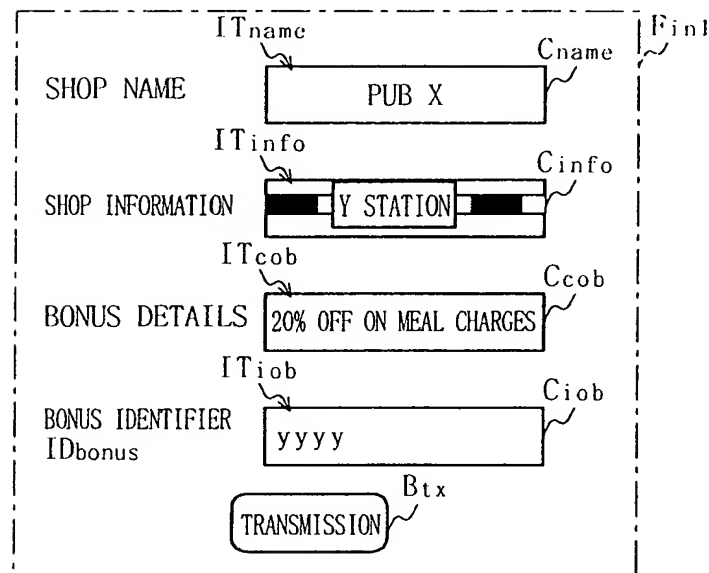


FIG. 10

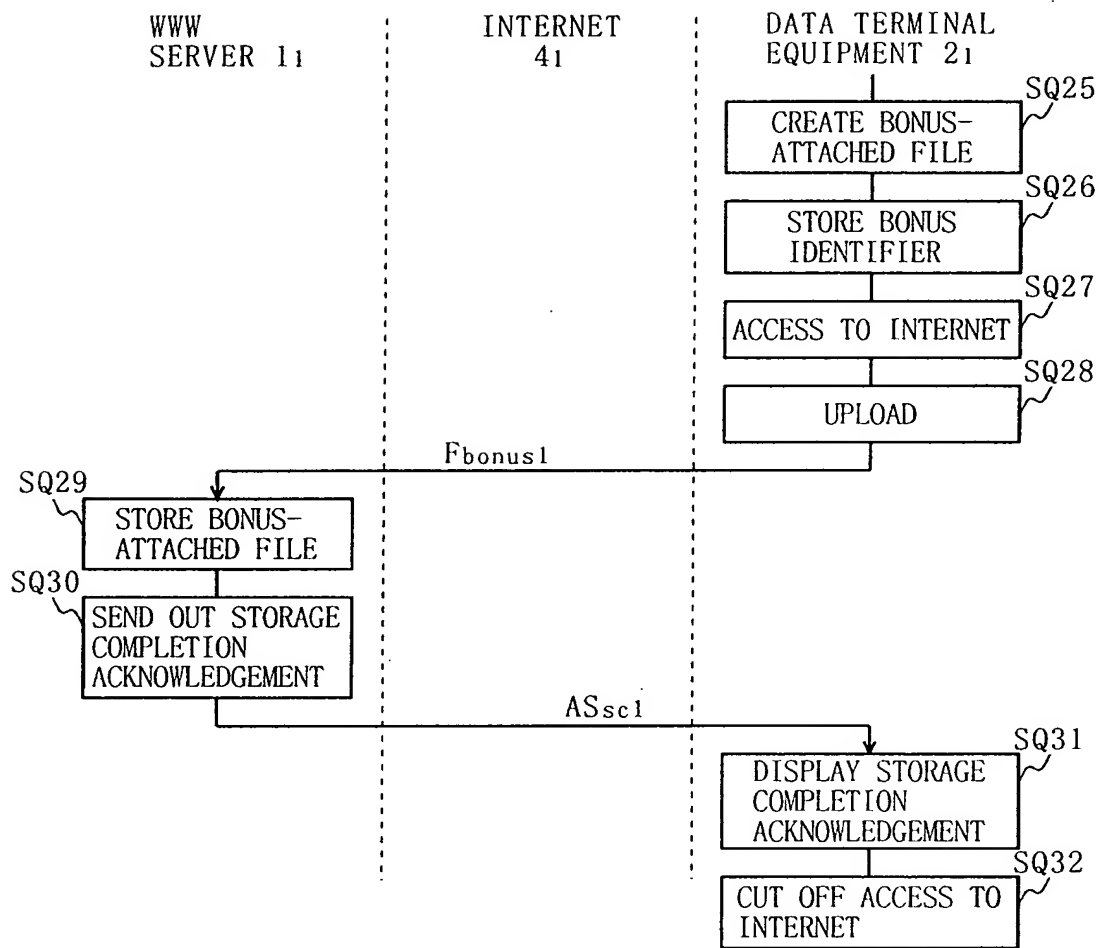


FIG. 11

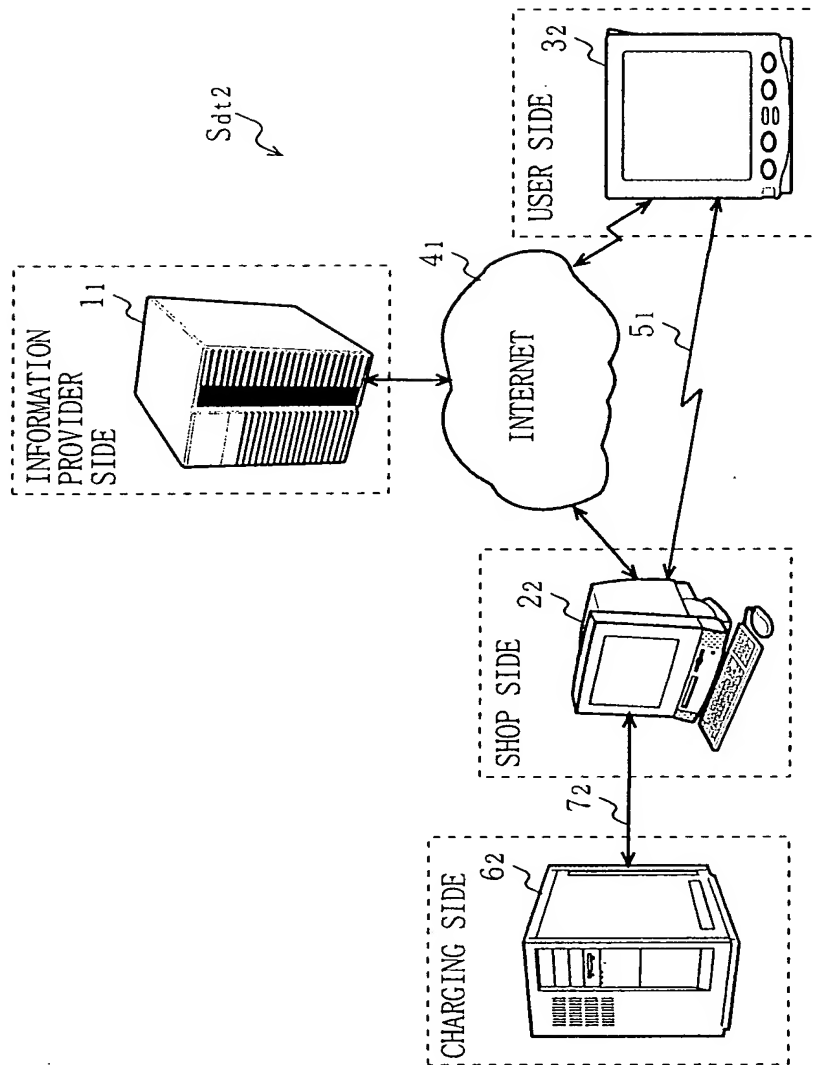




FIG. 12

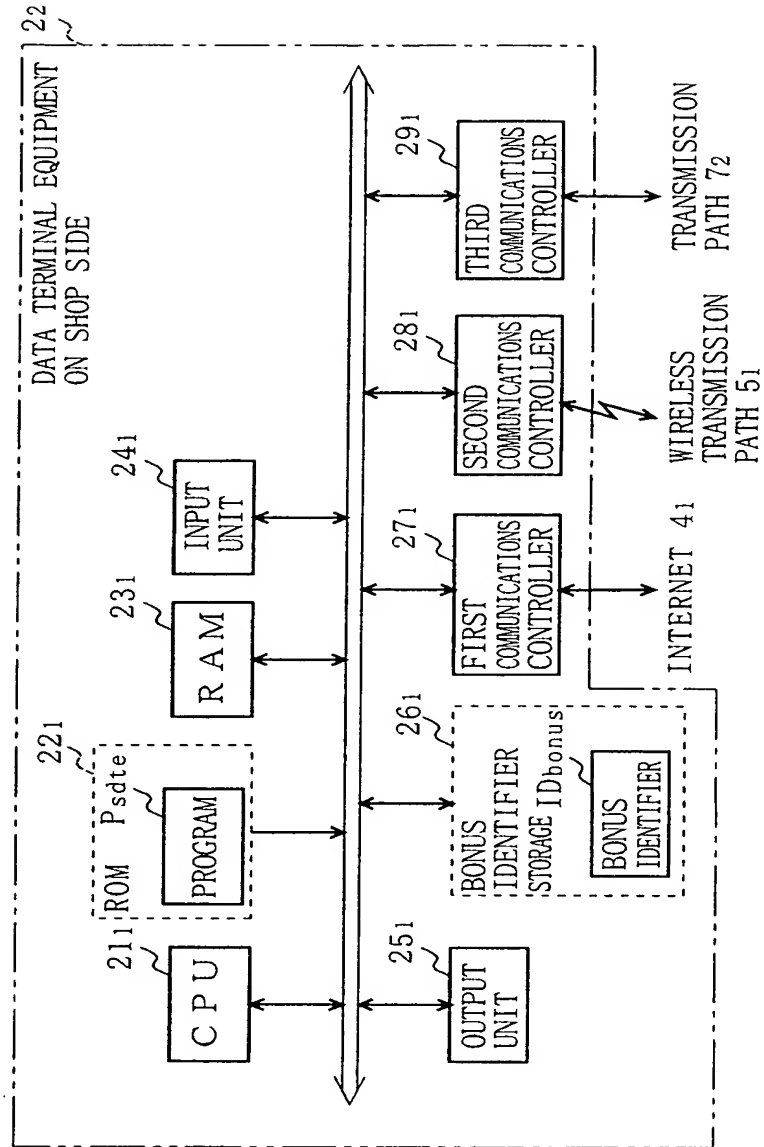


FIG. 13

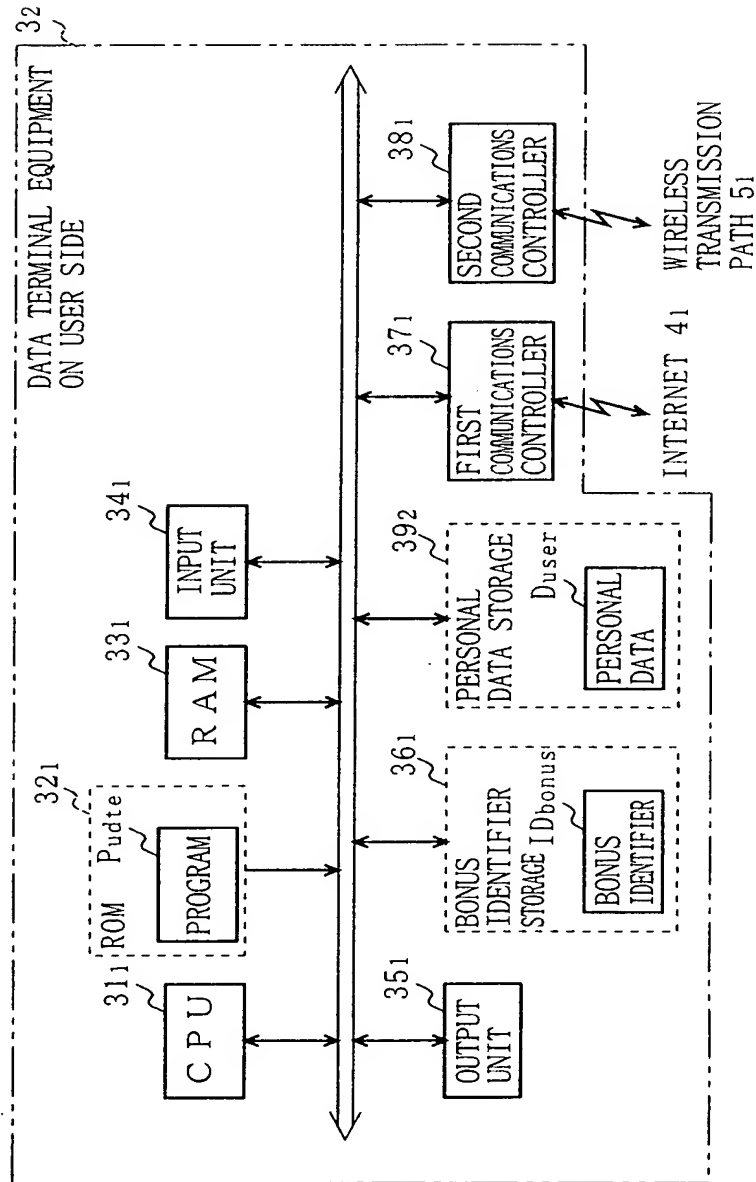


FIG. 14A

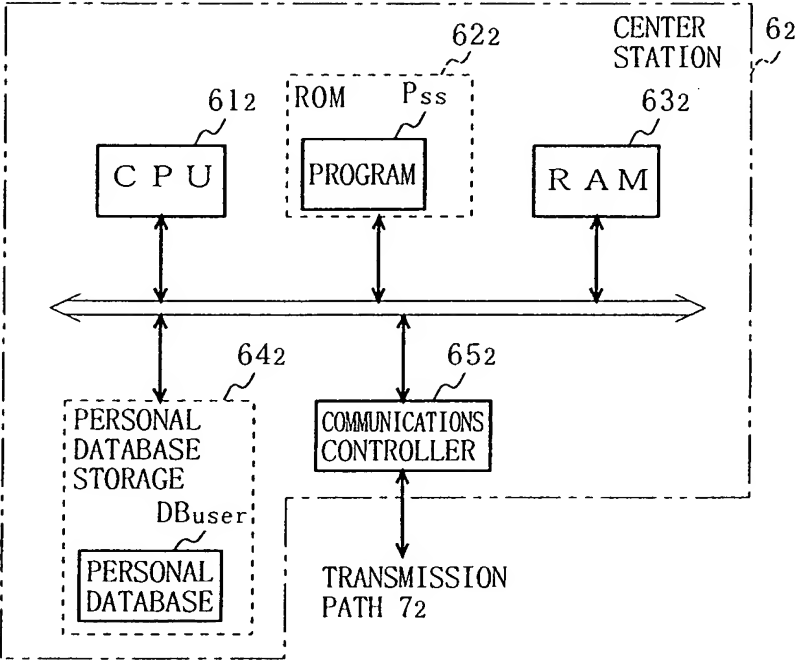


FIG. 14B

PERSONAL DATA D <sub>user</sub>		STATUS DATA D <sub>stat</sub>		
CREDIT CARD NUMBER	VALID DATE	DATE USED	SHOP NAME	CHARGE AMOUNT
WWXXYYZZ	YY1/MM1	MM1/DD1	PUB X	\$100
WWYYXXZZ	YY2/MM2	MM2/DD2	RESTAURANT Z	\$200
⋮	⋮	⋮	⋮	⋮
WWXXYYZZ	YY1/MM1	MM3/DD3	DEPARTMENT Y	\$320

FIG. 15

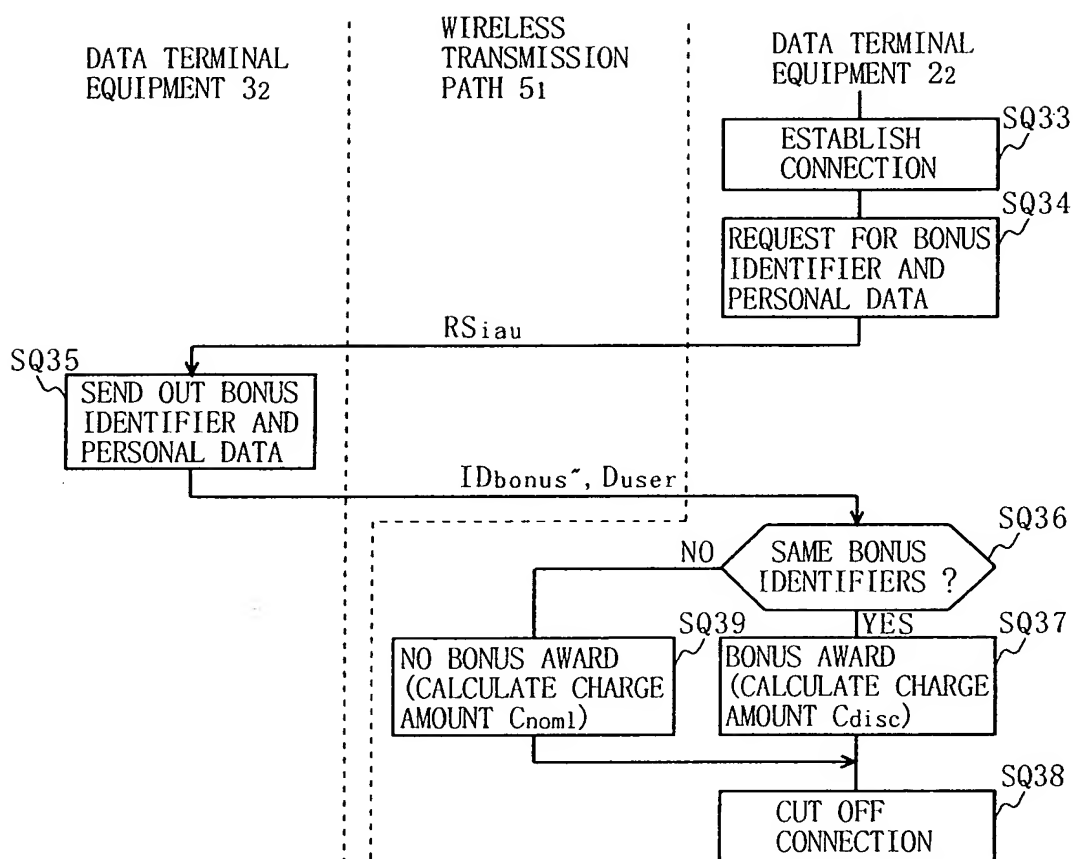


FIG. 16

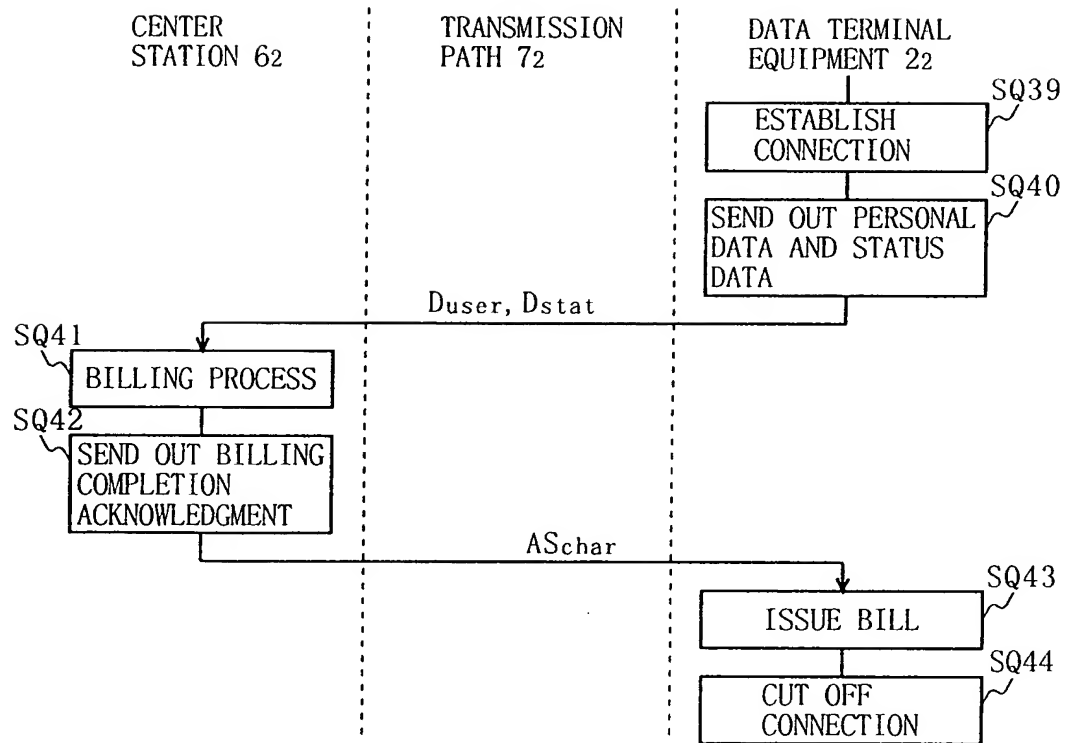


FIG. 17

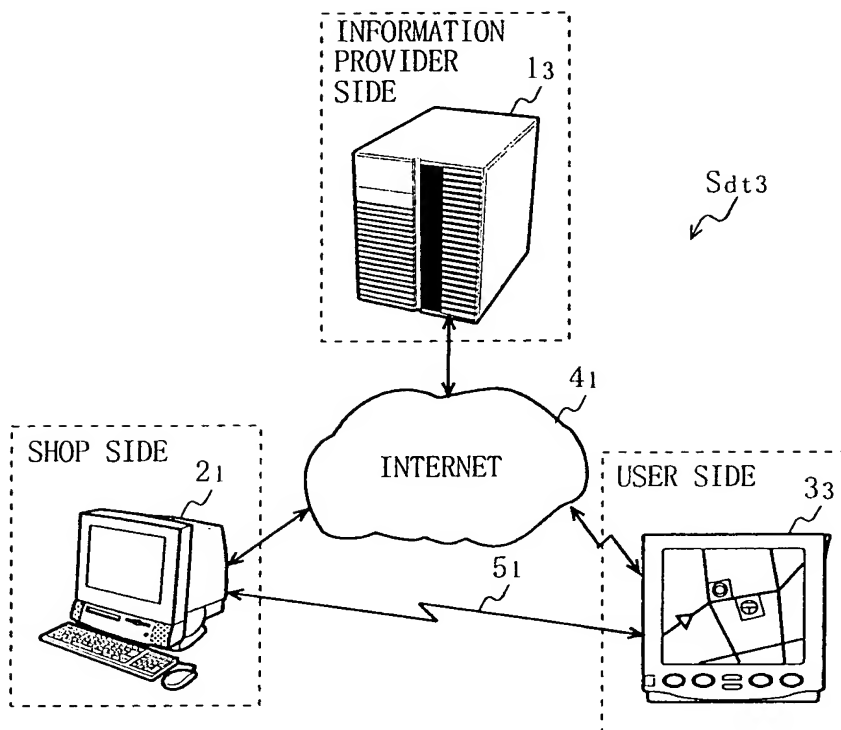


FIG. 18

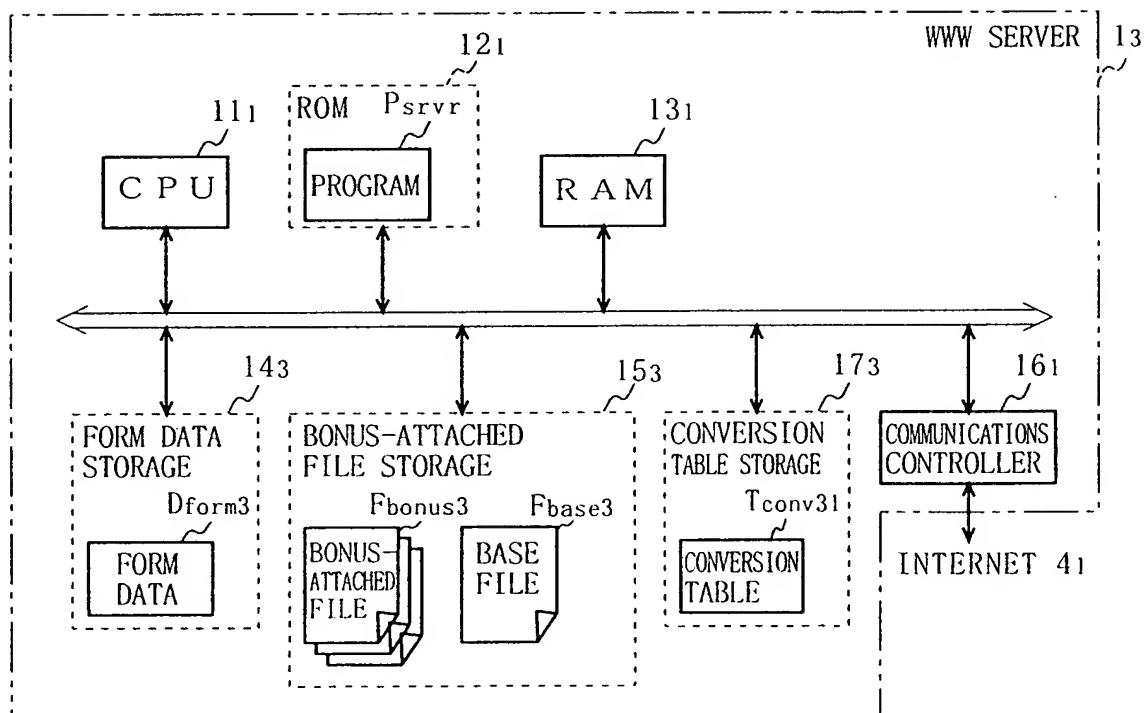


FIG. 19A

Diagram illustrating a form layout (FIG. 19A) enclosed in a dashed box. The form contains four input fields and a transmission button, all connected to a common output line labeled **Fin3** on the right. The fields are labeled on the left and connected to the fields by wavy lines:

- SHOP NAME** is connected to a rectangular input field, which is also labeled **Cname** on its right side.
- SHOP ADDRESS** is connected to a rectangular input field, which is also labeled **Caddr** on its right side.
- BONUS DETAILS** is connected to a rectangular input field, which is also labeled **Cnote** on its right side.
- A rounded rectangular button labeled **TRANSMISSION** is connected to the common output line by a wavy line labeled **Btx3**.

FIG. 19B

Diagram illustrating a form layout (FIG. 19B) enclosed in a dashed box, showing specific data entries. The form contains four input fields and a transmission button, all connected to a common output line labeled **Fin3** on the right. The fields are labeled on the left and connected to the fields by wavy lines:

- SHOP NAME** is connected to a rectangular input field containing the text **PUB X**. This field is also labeled **ITname** on its top left and **Cname** on its right side.
- SHOP ADDRESS** is connected to a rectangular input field containing the text **# P AVE. Q CITY**. This field is also labeled **ITaddr** on its top left and **Caddr** on its right side.
- BONUS DETAILS** is connected to a rectangular input field containing the text **BONUS; MEAL CHARGES**. This field is also labeled **ITnote** on its top left and **Cnote** on its right side.
- A rounded rectangular button labeled **TRANSMISSION** is connected to the common output line by a wavy line labeled **Btx3**.

FIG. 20A

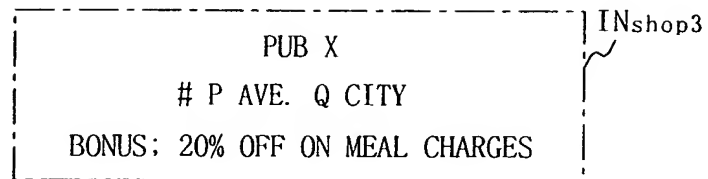


FIG. 20B

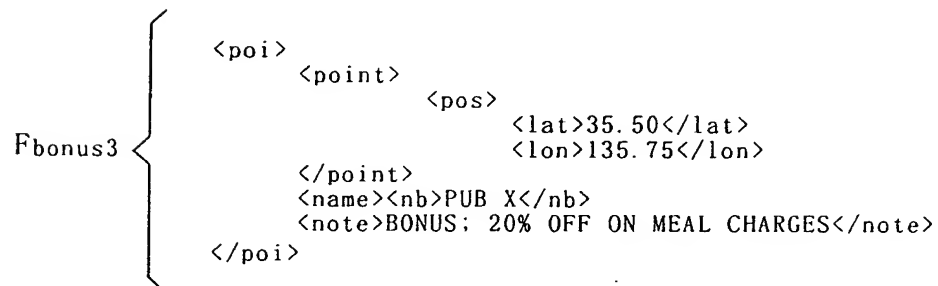




FIG. 21A

Tconv31

	SHOP ADDRESS (ITEM IAddr)	REPRESENTATIVE SHOP POSITION Ptype (LATITUDE, LONGITUDE)
Runit31 {	# P AVE. Q CITY	(35. 50, 135. 75)
Runit31 {	# R AVE. S CITY	(37. 30, 136. 65)
	⋮	⋮
Runit31 {	# T AVE. U CITY	(36. 45, 135. 63)

FIG. 21B

Tconv32

	REPRESENTATIVE SHOP POSITION Ptype (LATITUDE, LONGITUDE)	SHOP ADDRESS (ITEM IAddr)
Runit32 {	(35. 50, 135. 75)	# P AVE. Q CITY
Runit32 {	(37. 30, 136. 65)	# R AVE. S CITY
	⋮	⋮
Runit32 {	(36. 45, 135. 63)	# T AVE. U CITY

FIG. 22

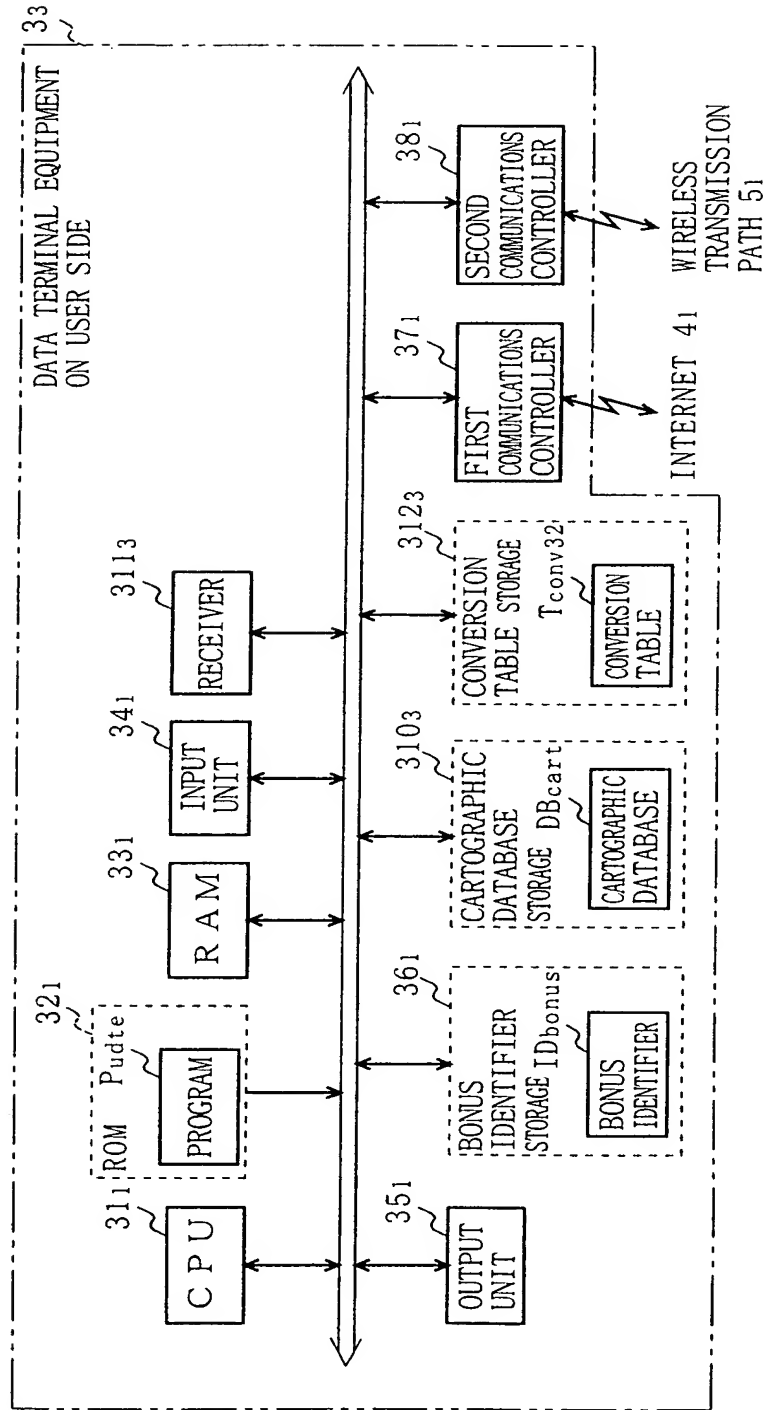


FIG. 23

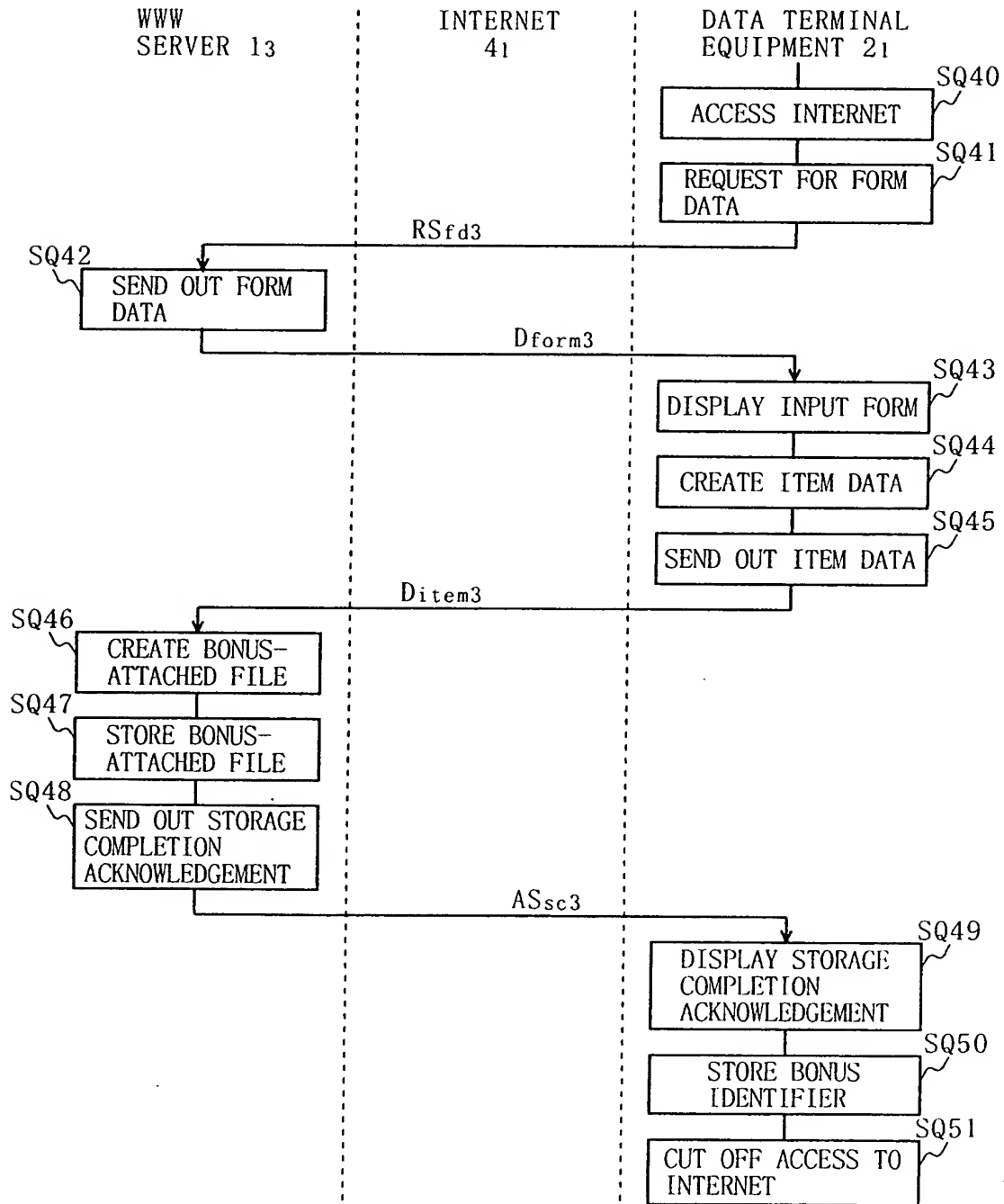


FIG. 24

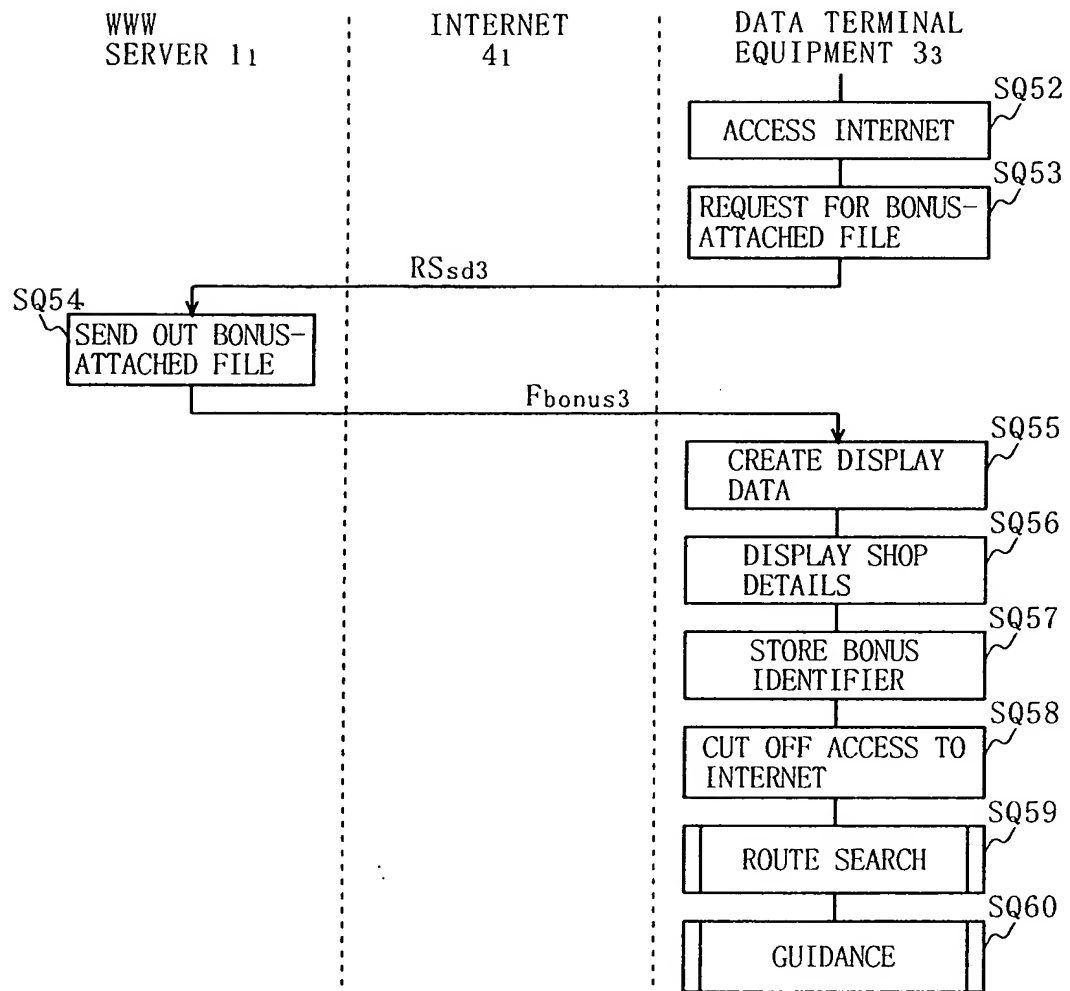


FIG. 25

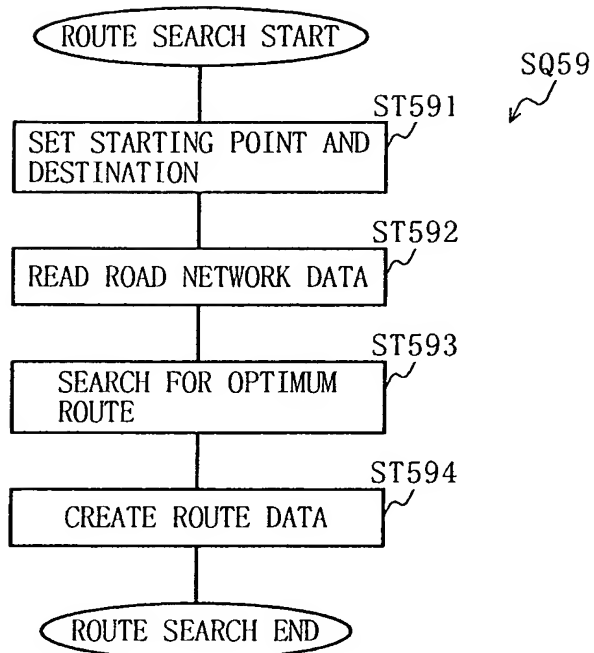


FIG. 26

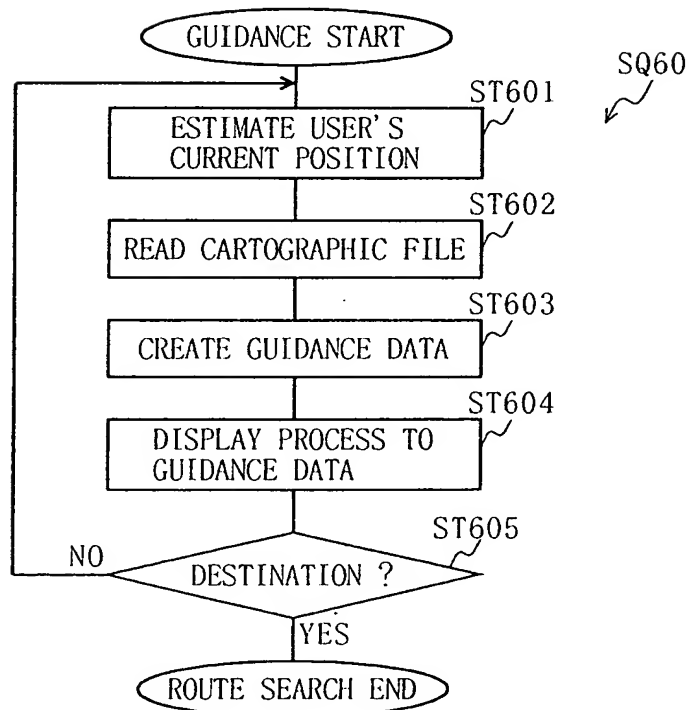


FIG. 27A PRIOR ART

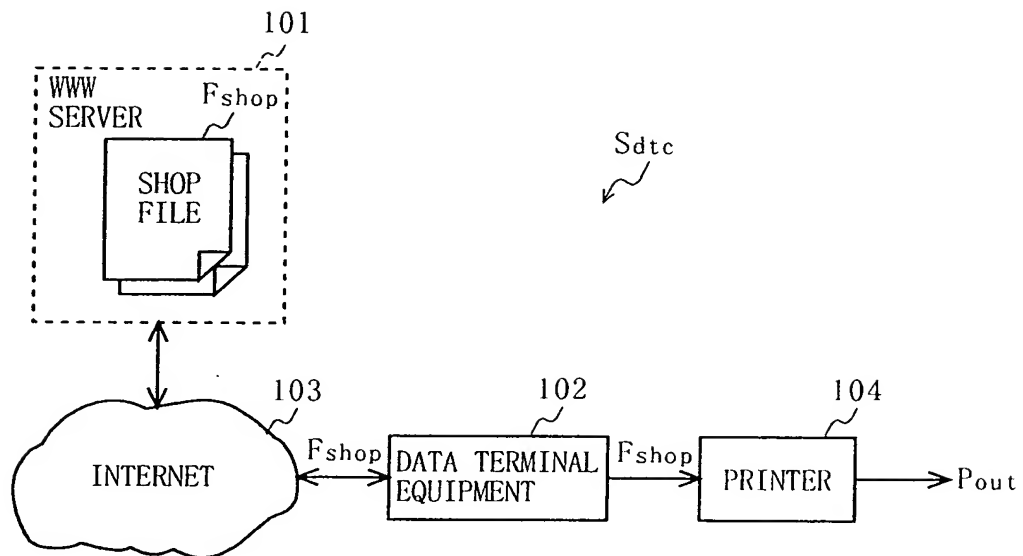


FIG. 27B PRIOR ART

